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Modulation of age-related changes in immune functions of protein-deficient senescence-accelerated mice by dietary nucleoside–nucleotide mixture supplementation. **77**, 795, 1997

Selenium
Long-term supplementation with selenate and selenomethionine: urinary excretion by New Zealand women. **77**, 551, 1997

Short-chain fatty acids
The energy value of short-chain fatty acids infused into the caecum of pigs. **77**, 745, 1997

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Skinfold thickness
Skinfold thicknesses: is there a need to be very precise in their location? **77**, 3, 1997

Snacks
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Psychological effects of snacks and altered meal frequency. **77**, S105, 1997

Sodium
Low-sodium diet in pregnancy: effects on blood pressure and maternal nutritional status. **77**, 703, 1997

Soyabean
Novel dietary strategy for overcoming the antinutritional effects of soyabean whey of high agglutinin content. **77**, 933, 1997

Specific appetites
Aversion–preference patterns in amino acid- or protein-deficient rats: a comparison with previously reported responses to thiamin-deficient diets. **77**, 299, 1997

Splanchnic metabolism
Net flux of nutrients across splanchnic tissues in wethers consuming grasses of different sources and physical forms *ad libitum*. **77**, 769, 1997

Spleen
Immunocompetence in relation to a heat-processed diet (Maillard reaction) in weanling rats. **77**, 947, 1997

Stable isotopes
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Study of magnesium bioavailability using stable iso-topes and the inductively-coupled plasma mass spectrometry technique in the rat: single and double labelling approaches. **77**, 957, 1997

Starch
Preference for wheat straw by lambs conditioned with intraruminal infusions of starch. **77**, 287, 1997

Stool output
Digestive and metabolic effects of potato and maize fibres in human subjects. **77**, 33, 1997

Sugar
Sugar, alternative sweeteners and meal frequency in relation to caries prevention: new perspectives. **77**, S121, 1997

Sweeteners
Sugar, alternative sweeteners and meal frequency in relation to caries prevention: new perspectives. **77**, S121, 1997

Systemic lupus erythematosus
Dietary fat affects lipids and anti-cardiolipin antibody levels in autoimmune-prone NZB/W F1 mice. **77**, 657, 1997

Technical note
Skinfold thicknesses: is there a need to be very precise in their location? **77**, 3, 1997

Thiamin
Aversion–preference patterns in amino acid- or protein-deficient rats: a comparison with previously reported responses to thiamin-deficient diets. **77**, 299, 1997

Threonine
Tissue localization of threonine oxidation in pigs. **77**, 593, 1997

Thymus
Immunocompetence in relation to a heat-processed diet (Maillard reaction) in weanling rats. **77**, 947, 1997

Thyroid
Effect of environmental temperature on muscle protein turnover and heat production in tube-fed broiler chickens. **77**, 897, 1997

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Severe malnutrition is associated with decreased levels of plasma transferrin receptor. **77**, 391, 1997

Transit time
Digestive and metabolic effects of potato and maize fibres in human subjects. **77**, 33, 1997

Triacylglycerols
Reciprocal responses to dietary diacylglycerol of hepatic enzymes of fatty acid synthesis and oxidation in the rat. **77**, 107, 1997
Effects of high- and low-fat meals on the diurnal response of plasma lipid metabolite concentrations in healthy middle-aged volunteers. **77**, 375, 1997

Trypanosomiasis
The effect of previous growth retardation on energy and nitrogen metabolism of goats infected with *Trypanosoma vivax*. **77**, 427, 1997

Under-reporters
Characteristics of the low-energy reporters in a longitudinal national dietary survey. **77**, 833, 1997

Upper respiratory-tract infection
Vitamin C intake and susceptibility to the common cold. **77**, 59, 1997

Urea
Urea kinetics in healthy women during normal pregnancy. **77**, 165, 1997

Urine
Long-term supplementation with selenate and selenomethionine: urinary excretion by New Zealand women. **77**, 551, 1997

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Vitamin E
Dietary linoleic acid at high and reduced dietary fat level decreases the faecal excretion of vitamin E in young rats. **77**, 327, 1997

Voluntary intake
The degradability characteristics of fifty-four roughages and roughage neutral-detergent fibres as described by *in vitro* gas production and their relationship to voluntary feed intake. **77**, 757, 1997
The relationship between *in vitro* gas production, *in vitro* microbial biomass yield and ^{15}N incorporation and its implications for the prediction of voluntary feed intake of roughages. **77**, 911, 1997

Women
Long-term supplementation with selenate and selenomethionine: urinary excretion by New Zealand women. **77**, 551, 1997